

THE ECO ROOF CLAIMS US APPLICATION NUMBER 10/583,520

- 1. A Frame with glass and also having a shape that provides a magnifying optical effect & the magnifier can be made of varying sizes so, that light can be magnified to cover different sized areas to be set above solar panels in order to magnify the rays of the sun.**

- 2. The glass providing an optical effect could be also built into the solar panels themselves to further increase efficiency, these solar panels would have the capability to form part of the bottom frame with the frame itself having the capability to be joined or linked to these panels.**

- 3. The frame and glass (top layer) can be split from the bottom layered solar panels giving it the capability to be added on its own to existing solar panels already on buildings and the frame would be adjusted manually, or automatically from a remote location in order to get the most enhanced effects of the sun from various times of the day directed at the solar panel / or panels.**

- 4. A device where the glass set on a frame could be adjusted from a remote location via a mobile phone a computer or other device automatically.**
- 5. A device that would use similar technology to bluetooth in order to control the frame or the magnified glass from a remote location in order to get the maximum effects from the sun.**
- 6. The frame could have the capability to use a camera system linked to the frame in order to check for damage to the panels for cracks or breaks from a remote location.**
- 7. The framed optical glass itself would also be self-cleaning glass which is a recent development in the glass industry (Pilkington Glass co UK) & this optical self-cleaning glass would be built into the solar panel itself.**
- 8. A device that would be used in many situations and many locations from an office block to a house or caravan roof.**